

1885
Atlantic
coast.

52 (- 18)
15 ft. high
repants
at 11
Galaxy of
willows

Wet soil
near

350

N. Side



350

25

55

430

birds. W. Kempel
17 Madison
Dr

8 designs
2 ft. long.

Platform
suspended
in center

12 x 20

np 12 ful

Orders

Sup. H. N. Poorley
Oskaloosa, Ia. \$15.00

A. T. Free

Sioux City, Ia. 15.00 +
Prof. C. M. Grumbeling
Mt. Pleasant Ia. 15.00

F. B. Cooper

Letters 15.00

Univ. of Iowa College. Prof. J. P. Eaton Mo. 15.00

Prof. J. D. Sheldon
Private college
Davenport. 15.00

Prof. F. L. Kern.

Wilton, Ia. 35.00

Mary Ziba
Iowa City. 15.00

State University Iow

Iowa City \$ 26.00

Prof E. D. George

Madison, Wis

High School

Iowa City 25.00

W. F. Brown Assoc
Mad. Co. Calif

Two years in
the Elk Islands, G. P.

J. W. Henwick.

John Henwick

Baltimore

Md.

J. Wesley Miller

McGill College

Montreal Canada

Rev. Dr. S. Hill

Beaufort, N. C

John Henwick

St. 4 German St

Baltimore, Md

Henry Prime
no 11. E 22nd str
New York.

J. L. Cunningham
Oak Hill
Fla

J. B. Upson
Rockford
Ill

Bayard Elliott
Iowa City

G. H. Stempel
Ft Madison Ia

Prof. S. Calom.
" J. H. McBride.

V. J. Slavnick
294 N. Broadway

Prof. Philbrick
Pres Pickard.
Paul Korab
J. M. B. Petrosky
James Havlik
Vac Bunes.
Fr. Konvalinka

Prof. Graves.
John Springer
" J. Korab.

H. J. Woodman
204 E. 6th st.

New York.
Rev. A. B. Kendig.
35. Dale st.
Boston Highlands.

vac woodhouse
Boston Mass.

J. A. Pileby 814 Perry St.
Davenport, Ia

John Maricle
Parker Sewing Machine

Jos. A. Kourla ^{cut}
3. Rawson St.
Boston Mass

A. Hadravice
Cafferty Block
Union Square
Boston Mass

269-8-9 W. 6th St.
140 W. 6th St.

X South Boston
Vac. Pumbals
45 Clapp St. Boston

vac
Alois Vrbaal
538 5th str.
New York, N.Y.
Dr. Ed Sevcik
136 Stanton str.
New York

Go to Grand Isle
in Vt. USA.

Geo. W. Norton
Post master
Eastport, Me.
Aug. 25 - \$4.00

Geo. A. Bates.
Rockford farms.

Baltimore

Norfolk Bay Steamer
Elizabeth city R.R.
Newbern - Steam Shenandoah
Moorehead City, - R.R.
Beaufort, - Sail boat.
Steamer to N. York

Send plants
to Prof. McBride

At Baltimore get
out with Oyster men

Schools etc. to visit
^{+ strangers}

Alex Agassiz

Museum Comp. Zoology

Cambridge

Harvard Coll. Mass.

W. E. A. Aiken M.D.

Prof. chem. 176 W. Balt.

street, Baltimore, Md.

Botany

F. H. Allen, Marine Zoology

Worwick Ct.

Prof. O. D. Allen Bot.
Suffield Seminary School
New Haven, Conn.

Rev. Geo. D. Armstrong
Norfolk, Va.
Bot.

Dartmouth College

Hanover, N. H.

Smithsonian Institute

Washington D.C.

Yale Coll.

New Haven, Conn.

Johns Hopkins Univ.

Baltimore Md.

Geo. Allen.

Maj. John Hughes

Mr. Congdon.

all at Newbern

N. Car.

Dr. Randall

Moorehead near

Winston

Rocky shores
Mobska Pt. East of
Woods Hole.

Parker's Pt. new mobskay
Rock Island N. of
Woods Hole Channel.
Mauson Isl.

{ Savin Rock near
light house Pt. New Haven
{ Stony Culls
{ Thimble Isl.

Looks in mud & sand
beneath rocks

Annelids swim about
at night. Barnacles

Sandy Shores

Martha's Vineyard

Buzzard's Bay

Blow-holes Haven

Br. South Bay, Long Isl.

Limulus comes up in May
June & July to lay
eggs. Burrows them
in sand. Also in mud
below low water.

Fulgor carica +

Dycotyphus canaliculatus
are sometimes on sandy
flats (or in tide pools),
but are usually in
deeper water & on harder
bottom

'Razor-shell'

Remember pectenium

Mya arenaria always

buried a foot or so

So many others

burrow. Remember this.

I had burry
bill no. 11.

Matthews & Scott

Brooklyn Fish Basin

R. E. Coll.

Gravelly & shelly

bottoms of bays etc.

Loligo & *pealei*

July spawning

Gravelly bottom of
Falmouth & Newhaven

Loligo pallidus ^{Autumn}
west part of Long N. Island

Sandy bottom

Muddy bottoms

Free & surface

Loligo.

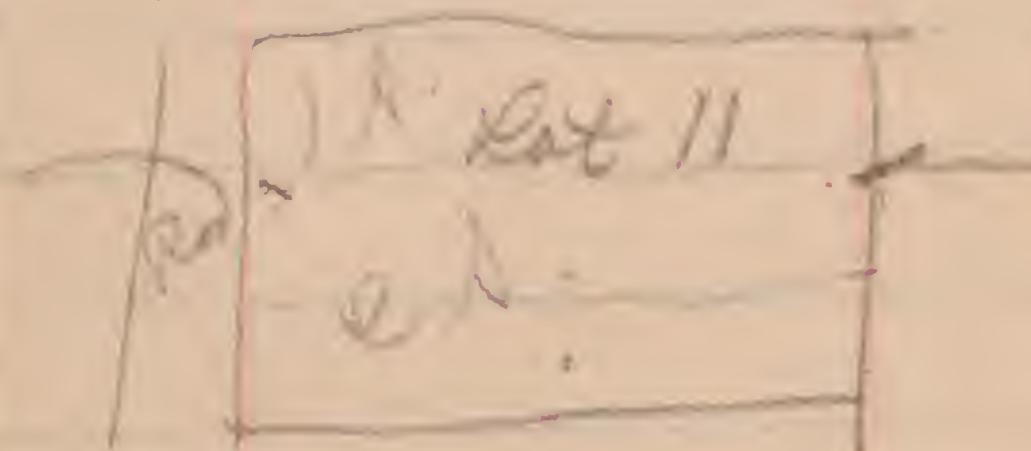
Ommastrephes.

Secure specimens
showing different
stages of Crustacea

Loligo pallidus

Stranded in full
moon, caught on
lime etc. coast
of Mass. Eastport
Oppo.

Vac. Cihlai



Wednesday
4 o'clock

Box from Norfolk, Va
Sent July 3rd 85.

Large oysters from
Little Bay opposite St. M^{ar}ie.
About 25 obtained from
a darky.

Small oysters from
the mid-covered sand of
Elizabeth river at
Berkeley (Norfolk) - about 75

Two large fossil Pecten
valves from Prof. Webster.

Three clusters of oysters

Jars. (1) Large, others small

from the Yellow-fever
Hospital (Island), obtained
from B. Peddle.

One Cassis from Prof.
Webster (said to be from N. Car.?)

Littorina irroratus very
abundant on grass &
beach at and below
high-water mark on
the flats at Norfolk &
Berkley. Obtained two
boxes full from Berkley.
Those on mud had a thick
calcareous covering.

No. 1. 'Sand-crabs' (about
twenty) obtained on
beach between Ocean
View and Ft. Monroe.
They are very agile, & run
nimble at the slightest
noise. Sometimes they
crunch in the sand.
They form burrows from
1°-2° deep, they often are
more or less oblique, &
some have two entrances,
thus . They carry
sand to the surface
in their small legs.

and throw it away...
with a sudden jerk.
I have seen them feeding
on "eel-grass".

Three Crepidula formicata
cast on the Beach opposite
Ft. Monroe, adhering to
a dead Crepidula.

A small Lizard (very
active) caught on the
sand-flats opposite
Ft. Monroe.

No. 2. Microcina prolifera^(?)
the "Red sponge", abundant
on oysters. Towed-cast
on beach opposite
Ft. Monroe. A number.

No. 3. Three sand-fiddlers
(see above)

1 "Star-gazer" fish caught
in small net in
shallow water opposite
Ft. Monroe.

Small oysters obtained
at Berkeley (see above)
and in alcohol
about 6.

No. 4. Over twenty pairs of little light, "red-backed" crabs obtained on the beach at Berkley at and after low high-water. Males have one claw very large. They carry sand out in pellets and these are scattered about.

A few Gelasimus pugnax (?) obtained at Norfolk. (from muddy flat) These are very abundant on muddy flats.

No. 5. Littorina rivularis
(see above)

Quinine bottles

No. 6. Palaemonetes vulgaris obtained (by net) in great numbers, swimming about like minnows, on the mud flat of Norfolk as the tide was coming in. — Many.

No. 7. Small "Hermit Crabs."
8 abundant on the mud-covered sand beach on Little Bay, just below low water & lower.

Illyanassa obsoleta
very abundant at
and below low water
with the preceding.
Apices were eroded.

Nassa vibex a few
found with preceding.

Crepidula plana?
^{square.}
found on oysters from
Little Bay.

Uppha talpidea.
No. 9. Young "Sand fishers"
obtained on beach by
dredging just below

low water, they
burrowed quite
rapidly & were active
over 20
Doris — about 12
cast on shore at
+ above low water.

No. 10 Mesodon from
Prof. Webster's garden.

Little "wharf" crustacea
very abundant on
piles etc. of New York
wharf. Very active.

Two boxes of mixed shells
from Ocean View Beach
containing *Siliqua*,
Crepidula formicata, etc. etc.

Two boxes of *Melampus*
bidentatus. Very abundant
in and under drift left
by high tide on Norfolk
mud-flats.

One box of *Helix* — and
Neotoma picta from Prof. Webster.

One box Sharks eggs
from Virginia Beach (about 12)

One box containing a large
shark's head cast ashore
at Ocean View in Dec. (11th)
1882. Given to me by James Hare.
Also a vial of Gammareus
taken with the Melampus
(above.) Very active.

A Box-Turtle obtained
from J. V. Simke, Balt. Md.

Two Sharks teeth (the larger
a fossil from Charleston S.C.)
given to me by B. Pedde.

Two Sharks' jaws from B. Pedde

Charleston
A fossil clam from S.C.
from B. Peddle.

A piece of coral, Old Pt.
Comfort, from B. Peddle.

No. - Toad fish and
Hippocampus from B. Peddle

No. 11 Two drawn from
B. Peddle.

The Cocoonut from B. Peddle.
One Balloon fish cast
ashore on Beach opposite
Ft. Monroe.

Red-sponge cast ashore
on Ocean View Beach - 32.
White sponge (spongy) same
locality; about 6.

One pair of "egg" sponges,
same locality as above.
Found just below low
water, though many
were cast ashore.

Two shirts, sent not
as specimens but to
relieve me of "surplus".

End of Norfolk Box

Boxes from Beaufort, 18

Sent July - '35

No. 1: all dry.

1. Bryozoa 28 clusters.
2. Mellita grisea (bleached) 30
3. Linularia small. (fish scales)
4. Hermit crabs about 25.
5. Lepas — many.
6. Moira atropos 24
7. Strongylocentrotus + Arbacia ^{about} 12
8. Tur quo eggs 15
9. Small box mixed shells.
10. Large sponge 1.
11. Yellow sponges about 20.
12. Annelid tubes 5.
13. Shells in paper.
14. Neptunea egg capsules

9. Cerithidea !!

10. Sigaretus —

11. Mellita grisea over 80

12. Cytherea gig. over 30

13. ? Cera aequabilis 51.

14. Tagelus gibbus 10

Following mollusca mixed

Teredo (in wood)

Pholas costata

Solen viridis.

D. rax fusc.

Petricola pholadiformis

Laevicardium mortoni.

Cyphoma dentata

Solenomya column

Mytilus — (?) 2

modiola plicatula var.
" hamata (Elizabeti)
Pecten radiatus, var. 10
Atrypa glabra
Mytilus giganteus
Nassa vires
Mus alpinus cinerea
Espeius rauata
Ceratodon variolosus
" similis
Neverita duplicata
Crepidula formosa
" plana
" convexa
Calaria
Chaetoptera

Acmea *dislocatus*
Chissurella *alternata*
Brilla *solitaria*
Oliva — (L.) 95
Strombus —
Conus —
Pomus —

Box No. 2.

Jars.

1. *Scaphularius* (3) *Ascidia* ^(Arbacea) ~~var.~~
2. *Acumina* ^{var. 8} (3) about 45
3. *Hermit Crab* *Ascidia* ⁵⁻⁶ ~~var.~~
4. *Barnacles* ^{Loggia} *Ascidia* ^{var.} ~~var.~~
5. *Mixed moll.* *Tulip* etc.
6. *Padacia* *punctata*
7. *about 21.*

8. *Ascidia* - many

?

10. *Ascaria* - about 60

11. *Phrynosoma* ^{about 30} - *Lizard* 3.

Bottles

1. Small crabs - without shell

2. *Moira atropos* 1.

3. *Lepas* many.

4. 2 large mussels - *Lymnaea* ²

5. *Brachidium* several sp. many

Paper.

Sycotyphus canaria 15

Fulgor canaria 20

Cardium magnum 25

" " 10.

Moniliferus etc. 15.

Pisces - 53.

To the Eastport lot
above Gammareus ornatus

Buccinum undatum

Corbicula

Lacuna vincta (the
small Lillomia)

Saxicava rockii

Trichyderma albus

(Viz "Besidka" c. 35)

Pogonaius & *Mordvilk*
" " *Bullocki*

Proteropodus *pro*
aculeatus *sp.* *leucom*

Anna Procházková

264 E. 9th st.

So. Boston

Berta Kováčková

240 E. 9th st.

So. Boston

Kl. výroba pozdov.

Anna E. Kovářík.
240 E. 9th str.,
So. Boston
Mass.

John Melville
~~Bolton~~
Danforth Tower

~~U. Buriánka~~

U Českého ^{see} T + 2
Václav Černý,
n^o 1154. 1-81-7-18A.
" 2-81-7-39A
82.82 n. 2 1/4









Expense

Jan 20	Fare to Chicago	\$5.82
	Storage & truck line	.50
Jan 21	Fare to Balt.	15.00
21.	Coffee & paper	15
Feb 10	Storage	.10
	Watch	3.00
ville	Board & Lodg.	1.25
	Laundries	.29
R.R.	apples.	.10
Wash	Paper	.05
Balt.	Laundries	1.07
	Boat to Hof	3.00
Jan 20	Fare to Va. Beach	.50
20	Laundries	.35
20	Ghats van	50

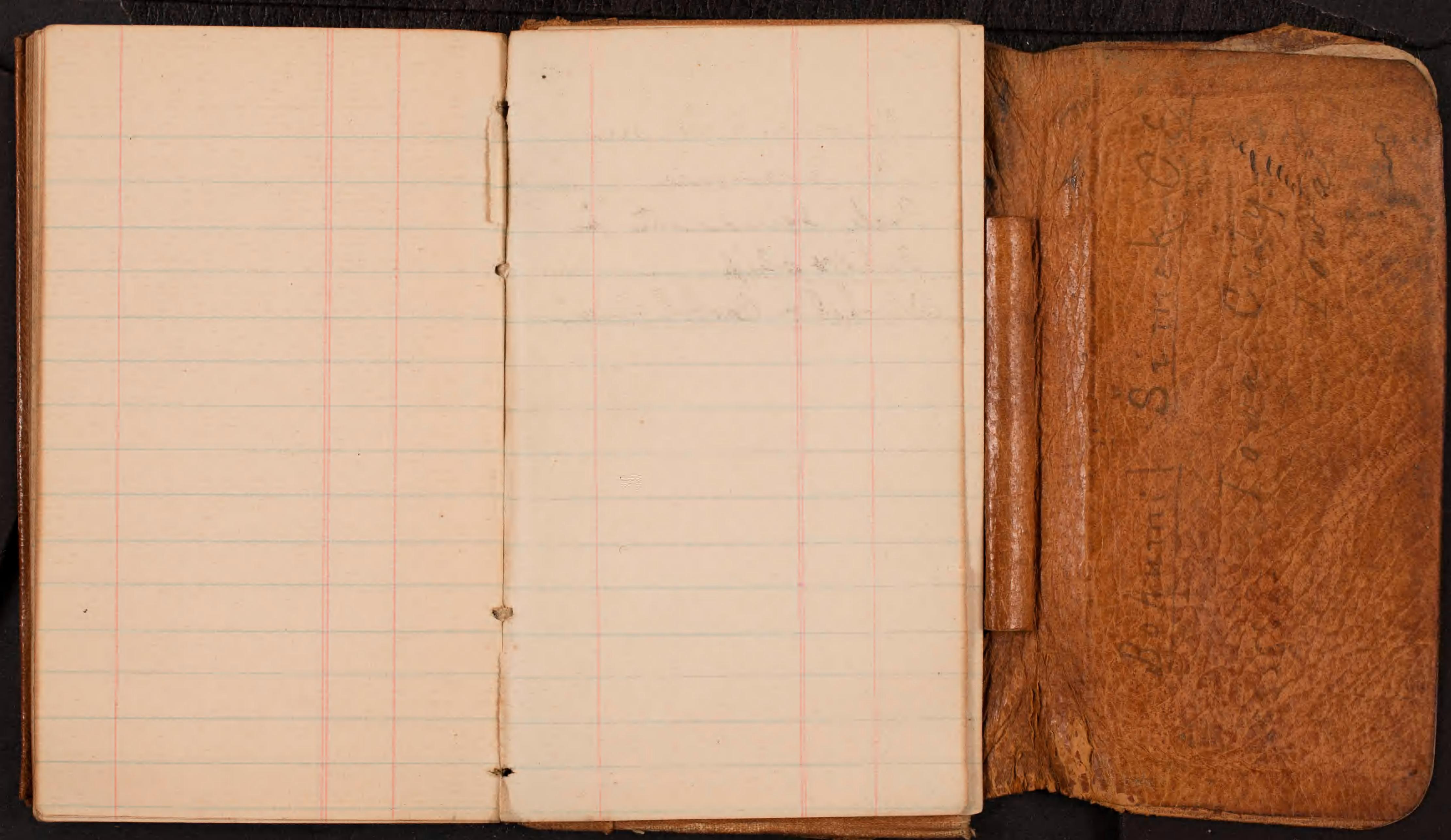
Shoes pair	1.35
gas & auto	.28
Lepus	.50
Laundries	2.25

Fare to New Bern

Fare to New Bern	4.60
Board & Laundries at	
Bliz. City	4.00
New Bern Board & Lodg.	1.25
Fare to Morehead City	2.00
Across to Beaufort	.25
Miss Davis Board	1.50
Boat boats	1.00
Row-boat (week)	1.25

Board Mrs Day 1.00
Alcohol etc 1/2 gal 6.10.
Drinking bottles & jars 1.15.
Coronine 3.00 5.0
Gasoline - .90







1000 ft 6000 ft

13 15
50 3.25
50 6655

68
34
100 3000 ft

Van Horn

118

3.5 1000
70 25
88 1500 10
750 20

40
50



1885

Atlantic
coast.

